Presented By

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- Currently on z/OS V1R7 in Production
 - 1 exception
- > z/OS V1R7 Service Expiration is 09/30/2008
- z/OS V1R9 Planned Service Expiration is 09/2010



- z/OS Coexistence and Service Policy
 - New release every September
 - only 1 release "marketed"
 - Releases supported for 3 years
 - Can coexist with, migrate to, and fallback from, up to 2 releases
 - i.e., 1.7 <-> 1.9, 1.8 <-> 1.10, 1.9 <-> 1.11
 - JES can migrate independently



- z/OS Cannery CPUs
 - Shared Environment
 - · 2 2094-505s (z9s)
 - · CWS
 - 2 2064-104s (z900s)
 - 1 (SOCP) -> 2094-503 (z9)
 - · MIS/DSS
 - · 9672-R26
 - discontinued soon



- z/OS Gold Camp CPUs
 - Shared Environment
 - · 2094-407 (z9)
 - · -> 2094-408
 - · 2094-504 (z9)
 - · 2084-304 (z990)
 - · -> 2094-505 (z9)



z/OS components

- Alternate Library for Rexx
- BCP
- BDT
- BDT File-to-File
- BDT SNA NJE
- · BookManager Build
- BookManager READ
- C/C++ with Debug Tool
- CIM Common Information Model
- Communications Server
- Cryptographic Services
- DCE Base Services
- DFSMSdfp
- DFSMSdss
- DFSMShsm
- DFSMSrmm
- DFSORT
- Distributed File Service
- EREP

Underlined means unchanged

- ESCON Director Support
- FFST
- GDDM
- GDDM-PGF
- GDDM-REXX
- HCD
- HCM
- HLASM
- HLASM Toolkit
- IBM HTTP Server
- IBM Tivoli Directory Server
- ICKDSF
- Infoprint Server
- Integrated Security Services
- ISPF
- JES2
- JES3
- Language Environment



z/OS components

<u>Underlined means unchanged</u>

- Library Server
- Metal C Runtime Library
- · MICR/OCR
- msys for Setup
- NFS Network File System
- · OSA/SF
- RMF
- Run-Time Library Extensions
- Security Server
- SDSF
- · SMP/E
- · TIOC
- · TSO/E
- · Z/OS UNIX
- 3270 PC File Transfer Program



- New Features BCP
 - Message Flood Automation
 - IBM Health Checker enhancements
 - Supports system REXX checks
 - Calling GRS independent software vendor
 - Input/Output Supervisor (IOS) enhancements
 - Support for the 3592 Model E05
 - 4TB central storage support



- New Features BCP
 - System Logger enhancements
 - Manage multiple concurrent migrated data set recall requests
 - Service Aids enhancements
 - Speed the efficiency of problem determination



- New Features BCP
 - SMF logging enhancements
 - Allows to group different SMF record types
 - Unicode support enhancements
 - Support Triple Byte Character Set (TBCS)
 - WLM: Improving termination of canceled jobs
 - WLM: Promoting blocked workloads



- New Features BCP
 - WLM: Starting minimum number of server regions without delay
 - XCF/XES enhancements
 - CF duplexing is enhanced option to suppress one of the two signals
 - z/OS cluster resources
 - z/OS XML system Services enhancements
 - z/OS XML System Services now provides an interface to support C and C++ callers

- New Features C/C ++ without Debug Tool
 - z/OS XL C/C ++ support for decimal floating point format



- New Features Communications Server
 - IP Services: Policy based routing
 - IP Services: Security enhancements
 - Network security services
 - AT-TLS API and IPSec
 - IP Services: Policy enhancements
 - Support goal centralized policy management



- New Features Communications Server
 - IP Services: ZIIP assisted IPSec
 - IP Services: FTP enhancements
 - FTP Kerberos single sign on support
 - FTP unicode support
 - Allow FTP client to select source IP address
 - IP Services: Network MGT enhancements
 - Provide program interface for SNMP
 - Netstat ALL/-A report to indicate sockets storage use

- New Features Communications Server
 - IP and SNA Services: Health Checker enhancements
 - IP and SNA Services: Reduce common storage usage(CSA,ECSA)
 - IP and SNA Services: MTU Enterprise Extender



- New Features Cryptographic Services
 - ICSF: PKCS #11 support
 - ICSF: Additional PKCS #7 support
 - PKI Services: Automatic certificate renewal
 - PKI Services: Increased maximum limit on the certificate validity period
 - PKI Services: Notify the PKI administrator of certificate request



- New Features Cryptographic Services
 - PKI Services: Avoid the generation of unused serial numbers
 - PKI Services: Allow query on expiring certificates
 - System SSL: IP6 PKCS #11 gskkyman enhancements



- New Features DFSMSdfp
 - BSAM and QSAM enhancements
 - Long-term page fixing BSAM data buffers
 - QSAM support for MULTSDN
 - BSAM and QSAM support for MULTACC
 - Expanding the OAM storage hierarchy to include tape sublevels
 - VSAM system-managed buffering enhancements
 - Removing the size limit for page spaces

- New Features DFSMSdfp
 - Increasing the maximum number of concurrent catalog requests
 - current limit of 180 to a new default of 200
 - Improving the LISTCAT display of catalog entries
 - PDSE enhancements
 - New SETSMS COPYSCDS command
 - New MODIFY DEVMAN command



- New Features DFSMSdss
 - Replace the INDD and IDDYNAM keywords in COPY DATASET and DUMP DATASET
 - COPY DATASET: INDD and INDYNAM to LOGINDD and LOGINDYNAM
 - DUMP DATASET: INDD and INDYNAM to PHYSINDD and PHYSINDYNAM



- New Features DFSMShsm
 - Fast replication tape support
 - Fast replication data set recovery
 - DFSHSM usability items
 - Improved error handling for tape duplexing of migration data sets
 - Ability to recover individual data sets from an aggregate group backup
 - Improved performance for RECYCLE processing of tapes
 - Fast migration of non-VSAM datasets to tape

- New Features Infoprint Server
 - Job attribute specification with the PRTATTRS JCL parameter
 - Infoprint Central enhancements
 - IP PrintWay PJL enhancements
 - Remote data transformation with Infoprint Transform Manager for Linux
 - IPsec data encryption
 - Support Infoprint Transforms V2.1



- New Features ISPF
 - ISPF Dialog Manager component changes
 - Able to share ISPF profiles across systems
 - ISPF PDF component changes
 - USS File Support, including ASCII
 - z/OS UNIX Directory List Utility (option 3.17)



- New Features JES2
 - NJE over TCP/IP
 - JES2 provides a new scheme to balance work more evenly over the systems in the MAS for WLM managed initiators



- New Features JES3
 - NJE over TCP/IP



- New Features Library Server
 - Eclipse plug-in support
 - z/OS Library Server can now deliver Web page content from Eclipse Help System document plug-ins



- New Features Metal C Runtime Library
 - Metal C Runtime Library
 - The XL C METAL compiler option, introduced in z/OS V1R9, generates code that does not require access to the Language Environment support at run time



- New Features RMF
 - RMF CIM based monitoring
 - Enhanced monitoring of FICON performance
 - Measurements for WLM's blocked workload promotion
 - Hyper PAV support
 - New coupling facility measurements



- New Features Security Server
 - Digital certificate support enhancements
 - Password phrase minimum length change and sample REXX exit
 - Java Security API
 - PKCS #11 support
 - Password phrase support



- New Features SDSF
 - Support for the REXX programming language
 - Simplified customization through ISFPARMS
 - Enhancements to the CK panel
 - Health Checker Support



- New Features TSO/E
 - TRANSMIT/RECEIVE improved to handle large data sets
 - TRANSMIT improved to handle the exceeded OUTLIM records
 - TSO/E health check
 - REXX and CLIST variable relief
 - LISTDSI SYSSEQDSNTYPE variable



- Migration Actions should NOT Overlook
- Remove your run-time dependency on the C/C + + IBM Open Class Libraries
 - Use the standard C + + Library instead
- SNA Services Remove AnyNet definitions
 - Consider Enterprise Extender



- Migration Actions should NOT Overlook
- Run the TN3270E Telnet server as a separate address space
 - Must do this before R9, to keep Telnet functions



- Future AFTER V1R9
- DFSMS Imbed and Replicate removal in a future release. (Also remove usage of KEYRANGE)
 - Use the IMBDSHIP tool
- Start your conversion from HFS to zFS
 - Use z/OS tool, BPXWH2z to help



- Other popular products for z/OS
 - IBM Ported Tools for z/OS: Perl for z/OS
 Feature (Version 5.8.7)
 - IBM Ported Tools for z/OS: PHP for z/OS Feature (Version 5.1.2)
 - IBM Ported Tools for z/OS: Supplementary Toolkit for z/OS Feature (bzip2)
 - XML Toolkit for z/OS
 - based on Apache's Xerces C++ V2.6 parser and Apache's Xalan C++ V1.10 XSLT processor

- Other popular products for z/OS continued
 - IBM 64-bit SDK for z/OS, Java 2 Technology Edition Version 1 Release 4
 - IBM 64-bit SDK for z/OS, Java 2 Technology Edition, V5
 - IBM 31-bit SDK for z/OS, Java 2 Technology Edition, V5



- Gold Camp installation dates
 - SYO and SY9 already done
 - SY8 5/31/08
 - SY2 6/7/08
 - Triplex (SY4, SY5 & SY6) 6/28/08
 - SY1 7/5/08
 - SY3 tbd
 - all at 0500-0700



- Cannery Shared installation dates
 - TEST 8/4/08
 - · S1 8/30/08
 - S2 9/15/08
 - HWDR 9/29/08



- Cannery CWS installation dates
 - SCT2 7/08
 - · SCT1 8/08
 - SOC/SOCP 9/20-28/08



- Manuals
 - Gold Camp Triplex/SY2 ISPF 9.8 or 12.2
 - http://www-03.ibm.com/systems/z/os/zos/bkserv/

